## **EAST Search History**

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	36	alkylsilane near9 aminopropyltri\$8silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:51
S2	777	aerosil near9 aminopropyltri\$8silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:53
S3	77	aerosil near9 aminopropyl\$1tri\$8silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:53
S4	27	S3 not toner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:54
S5	0	iaerosil adj (R974 R8200) near9 aminopropyl \$1tr(\$8siliane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:55
S6	386	aerosil adj (R974 R8200)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:56
S7	2	S6 near9 silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:59
S8	0	S6 near9 alkylsilane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:59

S9	4	S6 near9 \$9silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 22:59
S10	2	<sup>*</sup> 20060222815*	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:09
S11	116	hydrophobi\$8 near19 aminopropyl\$1tri \$8silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:12
S12	1	hydrophobi\$8 near19 fluorosilane near20 aminopropy(\$1tri\$8silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:12
S13	0	hydrophobi\$8 near19 \$9fluoro\$9silane near20 aminopropy(\$1tri\$8silane	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:13
S14	26	(microparticle particle) near20 hydrophobi\$8 near19 aminopropyl\$1tri\$ssilane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:14
S15	54	(microparticle silica alumina particle) near20 hydrophobi\$8 near19 aminopropyl\$1tri \$8silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:16
S16	0	(microparticle silica alumina particle) near20 hydrophobi\$\$ near19 aminopropyl\$1tri \$8silane same fluorosilane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:16
S17	1	(microparticle silica alumina particle) near20 hydrophobi\$\$ and aminopropyl\$1tri\$asilane near20 fluorosilane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:16
S18	90	(microparticle silica alumina particle) near20 hydrophobi\$8 and aminopropy\\$1tri\\$3silane near20 \\$8fluoro\\$7tri\\$7silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:17

S19	2	(microparticle silica alumina particle) near20 hydrophobi\$8 same aminopropy(\$1tri\$8silane near20 \$8fluoro\$7tri\$7silane	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:18
S20	0	(microparticle silica alumina particle) near9 hydrophobi\$8 and hydrophobi\$5 near20 aminopropyl\$1tri\$8silane near20 \$8fluoro\$7tri \$7silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:20
521	1	(microparticle silica alumina particle) near20 aminopropyl§1tri\$8siliane near20 \$8fluoro\$7tri \$7siliane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:20
322	17	(microparticle silica alumina particle) same aminopropy(\$1tri\$8silane near20 \$8fluoro\$7tri \$7silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:20
323	4	(hydrophobi\$6 modif\$6) near20 aminopropyl \$1tri\$8silane near20 \$8fluoro\$7tri\$7silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:24
324	14	(microparticle silica alumina particle) near20 (hydrophobi\$8 modif\$6) and aminosilane near20 (fluorosilane \$8fluoro\$7tri\$7silane)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:25
325	0	self-cleaning and aminosilane near20 (fluorosilane \$8fluoro\$7tri\$7silane)	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:29
326	15	(modify modifying modification hydrophobi\$6 (surface adj energy)) same (aminopropyltri \$6silane aminosilane) near20 (fluorosilane \$8fluoro\$7tri\$7silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:31
327	396	(aminopropyltri\$6silane aminosilane) near20 (fluorosilane \$8fluoro\$7tri\$7silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:32
S28	288	\$27 not toner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/31 23:33

S29	386	aerosii adj (R974 R8200)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM TDB	OR	ON	2011/04/01 10:10
S30	7	aerosil adj (F974 R8200) near9 (formula structure silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:11
S31	157	(*3,900,568*	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:14
\$32	0	aerosii near3 silane near2 (formula structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:16
S33	O	aerosii near9 silane near2 (formula structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:16
S34	171	aerosii near9 (formula structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:16
<b>S3</b> 5	17	aerosii near9 (treat\$5 ∞at\$3 modif\$6) near3 (formula structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:17
S36	4	aerosil near3 (\$2"974" \$2"9200") near9 (treat \$5 coat\$3 modif\$6) near3 (formula structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:19
\$37	87	aerosil near3 \$2"974" near9 (treat\$5 coat\$3 modif\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:20
S38	58	aerosil near9 (treat\$5 coat\$3 modif\$6) near9 aminopropy(\$1tri\$8silane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:28

S39	8	S38 not toner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:29
S40	516	hydrophobic\$8 near9 (pigment \$3oxide silica alumina) near9 silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:36
S41	649	fhydrophobi\$8 near9 (pigment \$3oxide silica alumina) near9 silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:36
S42	0	hydrophobi\$8 near9 (pigment \$3oxide silica alumina) near9 fluorosilane near20 silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:37
S43	0	hydrophobi\$8 near9 (pigment \$3oxide silica alumina) near19 fluorosilane near20 silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:37
S44	0	hydrophobi\$8 near9 (pigment \$3oxide silica alumina) near19 fluoro near20 silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:37
S45	10	hydrophobi\$8 near9 (pigment \$3oxide silica alumina) near19 (fluoro fluorosilane) and silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:37
S46	907	hydrophobi\$8 near9 (pigment \$3oxide filler silica alumina) near19 silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:40
S47	696	hydrophobi\$8 near9 (pigment \$3oxide filler silica alumina) near9 silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:41
S48	406	hydrophobi\$8 near3 (pigment \$3oxide filler silica alumina) near3 silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:41

S49	8	\$47 and (fluorosilane \$8fluoro\$7tri\$7silane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:42
S50	8	S46 and (perfluoroalkylalkoxysilane trifluoropropyltrimethoxysilane trifluoropropyltreithoxysilane tridecafluorooctyltrimethoxysilane tridecafluorooctyltriethoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:44
S51	1	(pigment \$3oxide sition alumina) near9 silane inear ((coupling near agent) coupler) near20 (perfluoroalkylalkoxysilane tirilluoropropyltrientoxysilane triducarfuoryltriethoxysilane tridecafluoroctyltrienthoxysilane tridecafluoroctyltriethoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:46
S52	326	(pigment \$3oxide silica alumina) near9 (modif \$6 treat\$7 hydropholis8) and siliane near ((coupling near agent) coupler) and (perfluoroalkylalkoxysilane trifluoropropyltrienthoxysilane trifluoropropyltrienthoxysilane tridecafluorocctyltriethoxysilane tridecafluorocctyltriethoxysilane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:47
S53	334	(pigment \$3oxide filler silica alumina) near9 (modif\$6 treat\$7 hydrophobi\$6) and silane near ((coupling near agent) coupler) and (perfluoroalkylalkoxysilane trifluoropropyltrienthoxysilane trifluoropropyltrienthoxysilane trideadfluoroctyltrienthoxysilane trideadfluoroctyltrienthoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:47
S54	6	(plgment \$3oxide filler silica alumina) near9 (modif\$6 treat\$7 hydrophob\$6) same silane near ((coupling near agent) coupler) same (perfluoroalkylalkoxysilane trifluoropropyltrimethoxysilane trifluoropropyltrimethoxysilane tridecafluorocotyltrimethoxysilane tridecafluorocotyltrimethoxysilane tridecafluorocotyltriethoxysilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 10:47
S65	14	(pigment \$3oxide filter silica alumina) near9 (modifi\$6 treat\$7 hydrophobi\$9 same (aminopropyi\$2tri\$9sliane (silane near ((coupling near agent) oupler))) same (perfluoroalkylaikoxyslane trifluoropropyltrienthoxyslane tridecafluoroctyltrienthoxyslane tridecafluoroctyltrienthoxyslane tridecafluoroctyltrienthoxyslane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01
S56	15	[pigment \$3oxide filler silica alumina) nea9 (modf[\$6 trea\$f hydrophols@) same (aminosilane aminopropyl\$2tri\$9silane (silane inear ((coupling near agent) coupler))) same (perfluoroalkylalkoxysilane trifluoropropyltrientoxysilane tridecafluoroctyltrientoxysilane tridecafluoroctyltrientoxysilane	US-PGPUB; USPAT; USOCR; EPO; JPO; DEFWENT; IBM_TDB	OR .	ON	2011/04/01 10:48

S57	32	(pigment \$30xide filler bead \$5particle silica alumina) near9 (modif\$6 treat\$7 hydrophobi \$6) same (perfluoreallyslidkoxylialne trifluoropropyltrimethoxysilane trifluoropropyltriethoxysilane tridecafluorooctyltriethoxysilane tridecafluorooctyltrimethoxysilane near (coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	0S	2011/04/01 10:53
S58	9	(pigment \$30xide filler bead \$5particle silica alumina surface substrate) near9 (modif\$6 treat\$7) near0 ((low energy) hydrophob\\$6) same (perfluoroalkytalkoxysilane trifluoropropytiriethoxysilane trifluoropropytiriethoxysilane trifleachluorootyttriethoxysilane trideachluorootyttriethoxysilane) and siliane (maer (coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:00
S59	1853	(pigment \$3oxide filler bead \$5particle powder silica alumina surface substrate) near9 (modif \$6 treat treating treated treatment) near3 ((low energy) hydrophob \$6) same silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:02
S60	1	(pigment \$30xide filler bead \$5particle powder silica alumina surface substrate) near9 (modif \$6 treat treating treated treatment) near3 ((low energy) hydrophobi\$5) near20 (fluoro filuorosilane perfluorosikylalkovysilane trifluoropropyltrimethoxysilane trifluoropropyltrimethoxysilane trifluorocctyltriethoxysilane) tridecafluorocctyltrimethoxysilane tridecafluorocctyltriethoxysilane) same silane (acupiling near agent) coupler)	US-PCPUB; USPAT; USOCR; EPO; JPO; DEFWENT; IBM_TDB	OR	ON	2011/04/01 11:03
S61	1	(modif§6 treat treating treated treatment) near3 (low energy) hydrophobl§6, near20 (fluoro fluorosilane perfluoroalkylalkoxysilane tirifluoropropyltrimethoxysilane tirifluoropropyltriethoxysilane tiridecafluorocctyltrimethoxysilane tiridecafluorocctyltrimethoxysilane) same silane near (coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:05
S62	33	{(low energy) hydrophobi\$5) near20 (fluoro fluorosilane perfluoroskytalkoxysilane itrfluoropropyltrimethoxysilane itrfluoropropyltriethoxysilane itrideactiluorocytirimethoxysilane itrideactiluorocytirimethoxysilane itrideactiluorocytirimethoxysilane) same silane near ((coupling near agent) coupler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:05
S63	16	((low energy) hydrophobi\$6) near20 (fluoro fluorosilane perfluoroalkylalkoxysilane tirfilucorporpyltrimethoxysilane tirfilucorporpyltriethoxysilane tirdecafluorooctyltriethoxysilane tirdecafluorooctyltriethoxysilane) same (aminopropyltri\$20silane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:13

S64	12	((low near2 energy) hydrophobi\$6) near20 (fluoro fluorosilane perfluoroakylalkoxysilane trifluoropropyltriethoxysilane trifluoropropyltriethoxysilane tridecafluoroctyltrimethoxysilane tridecafluoroctyltrimethoxysilane) (aminopropylir\$20silane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:17
S65	32	((low near2 energy) hydrophobi69) same (fluor fluorosliane perfluoroalkylalkoxysilane trifluoropropyltriethoxysilane trifluoropropyltriethoxysilane tridecafluorocdytiriethoxysilane tridecafluorocdytiriethoxysilane) same (aminopropylir\$20slane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:18
S66	32	[((low near surface adj energy) hydrophobi\$6) same (fluoro fluorosilane perfluoralky/alkoxysilane trifluoropropyltrienthoxysilane trifluoropropyltrienthoxysilane tridecafluorocdyltrienthoxysilane tridecafluorocdyltrienthoxysilane) same (aminopropyltri\$20silane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:19
S67	113	[(low near surface adj energy) hydrophobi\$6) same ((hydrophobi\$5 near (agent compound)) fluoro fluorosilane perfluorosilaylaikoxysilane trifluoropropyltrientoxysilane trifluoropropyltrientoxysilane tridecafluorocctyltrimethoxysilane tridecafluorocctyltrimethoxysilane) same (aminopropyltri\$20silane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:19
S68	1	nun in. and (fluoro fluorosilane perfluoroalkylalkoxysilane trifluoropropyltri methoxysilane trifluoropropyltriethoxysilane trideadfuoroctyttrimethoxysilane trideadfuoroctyttrimethoxysilane) (aminopropylir\$20silane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:27
S69	8	nun in. and (fluoro fluorosilane perfluoroalkylalkoxysilane trifluoropropylt inethoxysilane trifluoroprocyltriethoxysilane trideadfuorocyltrimethoxysilane trideadfuorocyltrimethoxysilane trideadfuorocyltrimethoxysilane) and (aminopropylir\$20silane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:27
S70	815	(fluoro fluorosilane perfluoroalkylalkoxysilane trifluoropropyltrimethoxysilane trifluoropropyltreithoxysilane tridecafluorooctytrimethoxysilane tridecafluorooctytriethoxysilane) same (aminopropyltri\$20silane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:31
S71	456	(fluoro fluorosilane perfluoroalkylalkoxysilane trifluoropropyltrimethoxysilane trifluoropropyltriethoxysilane tridesfluorocdyltrimethoxysilane tridesfluorocdyltriethoxysilane) near20 (aminopropyltri\$20silane aminosilane)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 11:31

S72	2	-20020150724*	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 12:16
S73	0	aerosii near9 degussa near9 dynasilan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 12:18
S74	T	aerosii near9 dynasilan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 12:18
S75	6693	aerosil same (degussa dynasilan)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 12:19
S76	7	aerosii same (degussa same dynasilan)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 12:20
S79	6	(dynasylan dynasilan) near2 \$3"8810"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 12:34
S80	2	*20060222815*	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 12:51
S81	TIII	*19823390*	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/04/01 12:53

<sup>4/1/2011 2:51:25</sup> PM

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